Title (en)

OVERHEAT PREVENTING SYSTEM OF A.C. MOTOR

Publication

EP 0171245 B1 19910619 (EN)

Application

EP 85305375 A 19850729

Priority

- JP 770385 A 19850118
- JP 770485 A 19850118
- JP 770585 A 19850118
- JP 770685 A 19850118
- JP 15827384 A 19840728
- JP 15827484 A 19840728

Abstract (en)

[origin: EP0171245A2] An A.C. motor 4, for example driving a fan 5, can be switched to low speed or high speed operation, for example by pole change switching or by switching the motor supply frequency. To prevent overheating of the motor and conserve energy, a switching operating circuit effects the switching automatically in response to the output of the motor. To prevent unwanted switching, operation of the switching means is restricted for example by time delays, or by setting different thresholds for switching from high to low, and from low to high speed operation respectively. Switching from low to high speed operation may also be inhibited by a temperature detector if the motor is tending to overheat. <?? >Switching and control circuits of various kinds are described.

IPC 1-7

H02H 7/085; H02P 1/38

IPC 8 full level

H02H 7/085 (2006.01); **H02P 25/20** (2006.01)

CPC (source: EP US)

H02H 7/085 (2013.01 - EP US); **H02P 25/20** (2013.01 - EP US)

Cited by

DE4032988A1; US6066935A; WO9221866A1

Designated contracting state (EPC)

CH DE GB LI

DOCDB simple family (publication)

EP 0171245 A2 19860212; **EP 0171245 A3 19870401**; **EP 0171245 B1 19910619**; DE 3583262 D1 19910725; DE 3588032 D1 19950727; DE 3588032 T2 19951026; EP 0409286 A2 19910123; EP 0409286 A3 19911009; EP 0409286 B1 19950621; US 4977363 A 19901211

DOCDB simple family (application)

EP 85305375 A 19850729; DE 3583262 T 19850729; DE 3588032 T 19850729; EP 90116144 A 19850729; US 49484090 A 19900316